

# A MEMO TO THE SORA COMMUNITY

APRIL 2024

*This document accompanies the invoice sent to SORA for the services provided by SORAMITSU.*

*April 2024 was an incredible month of accomplishments. The SORA Integrated Plan continues to be the roadmap for the SORA network development pipeline, and the progress rate has steadily advanced.*

***This memo will provide a perspective on the activities for each track, a description of the development activities specific to this month, and the total amount of hours presented in invoice number 205059 served by Soramitsu Helvetia to the SORA Community.***

# 1 SORA (Substrate) - 4,223hrs

This month's work involves [Kensetsu](#), [ALT Technology](#), the [bridge to Liberland](#), the [Multi EVM bridge](#), HRMP channels, a tokenomics upgrade and the [SORA Wiki](#).

Test cases are ongoing in Kensetsu, while public testing is also ongoing. At the same time, the front-end team is being supported to improve the user experience ahead of launch.

As per ALT, work on the weights is ongoing to ensure a smooth operation. Unit tests are being written for system consistency and robustness, and further tests are being prepared. After an internal review, work is ongoing to address the QA feedback.

After extensive internal testing, the bridge to Liberland is undergoing public testing. The Liberland government works closely with the developers to prepare for production release.

The Multi-EVM bridge code review and fee structure implementation are still ongoing.

Opening HRMP channels to other Substrate networks is an ongoing focus. Token transfers between SORA and Acala are now available, and the UI is available on Polkaswap. Conversations and governance processes with other networks to open new channels are also ongoing.

Business and technical requirements are being collected for the upcoming tokenomics upgrade while work is ongoing to prepare for its implementation.

Technical support was provided to the Ceres team to review the Apollo platform and also provided to other companies and international organizations to build Proof of Concepts on the SORA network. Additional work on SORA Substrate infrastructure includes codebase housekeeping, maintenance, cleaning, optimization, collaboration, and research on blockchain infrastructure for central banks powered by SORA.

Finally, ongoing project management activities include SORA Governance and Technical committee support, quality assurance ops, and development support for external teams building on the SORA network.

On the mobile side, work on SORA Card Phase 2 continues. This implementation brings crypto-to-fiat conversion, integration, and cross-communication of the fiat wallet application to the SORA wallet and improvements to the KYC flow synchronized with external partners.

As well as project management activities, systems analysis, UI/UX improvements and quality assurance.

## 1.1 SORA Backend

- Kensetsu:
  - Implementation of test cases for the platform;
  - Supporting the front-end team for the implementation of the UI / UX.
- Aggregate Liquidity Technology (ALT):
  - Investigating weights for the upgrade to ensure smooth operations of the mechanism;
  - Writing unit tests to ensure consistency between requirements and implementation;
  - Fixing implementation based on feedback from the Quality Assurance team;
  - Writing test cases.
- Bridge to Sovereign State:
  - Release of the bridge to public testnet;
  - Testing of the bridge;
  - Synchronization with the sovereign state's team to release the implementation to production.
- Multi-EVM Bridge:
  - Reviewing code.
- HRMP Channels:
  - Opening channel and implementing UI for transfers with Acala parachain;
  - Synchronization with other parachain teams interested in setting up HRMP channels with SORA.
- Tokenomics Upgrade:
  - Specifying business and technical requirements for the change in tokenomics;
  - Implementing the change in tokenomics.

- Collaborating with the Ceres team and reviewing Apollo implementation;
- Collaborating with private companies and implementing Proof of Concept projects on SORA;
- Codebase maintenance, cleaning, and optimisation;
- Collaboration and research on blockchain architecture for central banks powered by SORA;
- Project management activities (daily meetings, planning, retrospectives);
- Quality assurance and testing activities, as well as the development of automated tests.

## 1.2 Mobile App

- Implementation of Phase 2:
  - Crypto to Fiat conversion;
  - Integration of fiat wallet application;
  - Implementation of cross-app communication between SORA and Fiat wallets;
  - Improvements in KYC flow.
- Project management activities (daily meetings, planning, retrospectives);
- Product Design activities;
- QA and testing activities;
- Communicated and synchronized with external partners for SORA Card: Phase 2.

## 2 Substrate (PSWAP) - 864 hrs

Polkaswap has received a substantial amount of ongoing improvements, including:

- Kensetsu UI Implementation:
  - New API support;
  - Borrow page (statistics);
  - Position Details page improvements (history, new features);
  - Closed/liquidated vaults (notifications, history) support.
- Governance Page Development:
  - Mockups preparation;
  - API preparation;
  - Polkaswap UI development.
- HASHI ETH bridge improvements (new API version support);
- HASHI Substrate bridge enhancements (Acala, Liberland, Astar support);
- TX sign simplification:
  - Added 'hide confirm dialogs' feature;
  - Added 'remember password' with different timelines for Google login and desktop;
  - Added 'hide TX sign' dialog.
- Cede widget support (fiat deposit);
- Customized layouts for Swap page (drag-and-drop, add, remove widgets);
- Project management activities (daily meetings, planning, retrospectives);
- Product Design activities;
- QA and testing activities.

## 3 DevOps and Security - 467 hrs

The work done this month by DevOps covers the SORA network as well as its underlying infrastructure. Here are more details:

### 3.1 SORA Blockchain

- Improved CI/CD pipeline;
- Prepared the Liberland bridge on the production environment;
- Finished Liberland Bridge audit;
- Web sites management;
- In progress:
  - 10% - Wazuh integration
  - 80% - Automated delivery till public testnet
  - 5% - Kensetsu security audit

### 3.2 Parachain

- Improved CI/CD pipeline

### 3.3 Polkaswap

- Improved CI/CD pipeline;
- Helm charts refactored due to security policies;
- In progress:
  - 7% - Fault tolerance, DePIN alternatives

### 3.4 Mobile Clients

- Updated CI/CD pipeline:
  - New autotests
  - Library improved
- New pipeline in progress.

### 3.5 SORA Card

- Improved CI/CD;
- Helm charts refactored due to security policies.

## 4 Education – 815 hr

Educational operations this month included:

### 4.1 SORA

- Ecosystem Update;
- Ongoing wiki Improvements:
  - SORA onramp tutorial
  - SORA governance tutorial
- Social media management;
- SDK and Bridge enhancements updates;
- SORA network upgrade v3.2.2 communications;
- SORA Builders program website;
- SORA x Liberland AMA on X Spaces;
- HMX-XOR live on Polkaswap Order Book communications;
- Weekly network digest recap;
- Relationship management with parachain teams to open HRMP channels;
- Discussions with potential partners to integrate their services into the SORA wallet and integrate SORA DeFi services into their product;
- Alignment and coordination on setting up cross-functional team collaboration for business-oriented initiatives;
- Cross-team, cross-department synchronization and planning on processes;
- Product-education collaboration on campaigns;
- Data analysis of the network and ecosystem to drive data-driven decision-making;
- Work on the SORA Ecosystem Growth initiative to strategize and plan from the ecosystem driving Product, Business, and Marketing initiatives;
- SORA evangelisation at industry events and conferences.

### 4.2 Polkaswap

- Ecosystem update;
- Social media management;
- Polkaswap HASHI Bridge to Acala network communications;
- HASHI Substrate Bridge on testnet communications;
- Attending high-impact in-person events and business to government (B2G) expenses.



## 5 Total Hours – 6,369 hr

Additionally, invoice 205058, attached, pertains to cloud server costs for April 2024.

All SORA Ecosystem Memo payments provide collateral to the Token Bonding Curve.

Your ongoing support is greatly appreciated, and we look forward to continuing to serve you.

Sincerely,

SORAMITSU Helvetia AG

*The SORA Ecosystem Updates published on [April 23](#) and the Polkaswap update published on [April 23](#) present supporting concept updates.*

SORAMITSU Helvetia AG

E-mail: [billing@soramitsu.co.jp](mailto:billing@soramitsu.co.jp)



Invoice

<b>Invoice for</b> SORA.org	<b>Payable to</b> SORAMITSU Helvetia AG	<b>Issue Date</b> 10 May 2024	<b>Invoice Number</b> 205058
	<b>Project</b> Cloud Service Provider Cost for April 2024	<b>Due Date</b> 17 May 2024	

Description	Amount (CHF)
Cloud Service Provider Cost for April 2024	12,420.00

Subtotal	12,420.00
Tax	0.00

**Total Amount Due** CHF 12,420.00

\* Payment can be made in equivalent TBCD, at the market rate.

**Wallet Address (TBCD):** cnRiyvHAs7C1THrhfuW7auesyEvy3PzZeK1F8WNCZpgk9q3Kt

*Thank you very much for your business. We are looking forward to serving you again.*

SORAMITSU Helvetia AG

E-mail: [billing@soramitsu.co.jp](mailto:billing@soramitsu.co.jp)



Invoice

<b>Invoice for</b> SORA.org	<b>Payable to</b> SORAMITSU Helvetia AG	<b>Issue Date</b> 10 May 2024	<b>Invoice Number</b> 205059
	<b>Project</b> Development Cost for April 2024	<b>Due Date</b> 17 May 2024	

Description	Quantity (Work-Hours)	Unit Price (CHF)	Amount (CHF)
SORA (Backend, Mobile Apps)	4,223	333.00	1,406,259.00
Polkaswap (Backend, Frontend)	864	333.00	287,712.00
DevOps and Security Review	467	333.00	155,511.00
Education	815	333.00	271,395.00
<b>Subtotal</b>	<b>6,369.00</b>	<b>333.00</b>	<b>2,120,877.00</b>

	Subtotal	<b>2,120,877.00</b>
	Tax	<b>0.00</b>

<b>Amount Due</b>	<b>CHF 2,120,877.00</b>
<b>Grand Total Due (Invoice 205058 &amp; 205059)</b>	<b>CHF 2,133,297.00</b>

\* Payment can be made in equivalent TBCD, at the market rate.

Wallet Address (TBCD): `cnRiyvHAs7C1THrhfuW7auesyEvy3PzZeK1F8WNCZpgk9q3Kt`

Thank you very much for your business. We are looking forward to serving you again.



**SORAMITSU Co. Ltd.**

Link Square Shinjuku 16F,  
5-27-5, Sendagaya,  
Shibuya-ku, Tokyo,  
Japan, 151-0051

[info@soramitsu.co.jp](mailto:info@soramitsu.co.jp)  
[soramitsu.co.jp](http://soramitsu.co.jp)